The Calling of a Medical Eurse is an Obligation," Med. Sestra., No. 1, 1948;

"APPROVED FOR RELEASE: 08/25/2000 CIA-RD

CIA-RDP86-00513R001652010014-1

USSR/Medicine - Education, Medical May/Jun 48
Medicine - Public Health

"All-Union Conference on Intermediate Medical Education," I. S. Sokolov, Chief, Adm of Intermediate Med Educ Institutions, Ministry of Pub Health USSR, 2 pp

"Sov Zdravookhran" No 3

Stresses political and ideological training. Reviews present condition and suggests measures for improvement.

6/49765

The Ideological and Political Education of the Intermediary Medical Personnel, "Fel'dsher i Masher., No. 4, 1948;

"Children's Medical Activities Must have Qualified Personnel," Med. Sestra., Mo. 10,

SOKOLOV, I. S.

1949.

SONCLOV, T. S.

Medicine

(Organization and methods of instruction in sanitation) Moskva, Gos. izd-vo med. lit-ry, 1951.

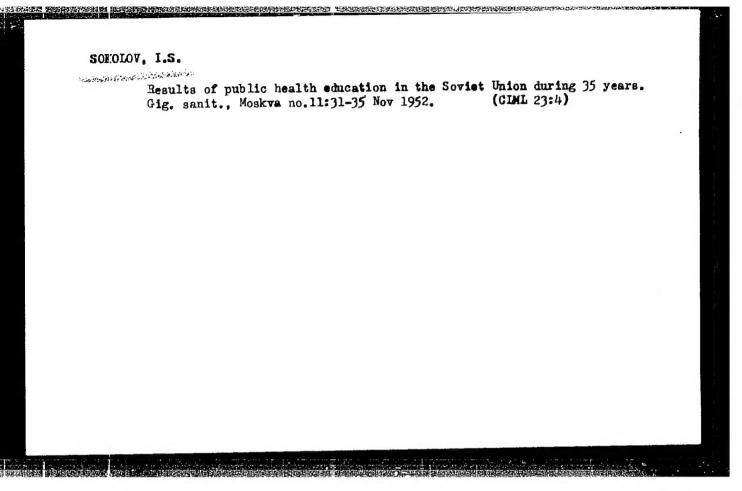
9. Monthly List of Russian Accessions, Library of Congress, July 1052 1953, Uncl.

SOKOLOV, I.S., TIMHITTAN, YA.H., OSTROVSKIY, A.B.

Sokolov, I.S.

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9. Monthly List of Russian Accessions, Library of Congress, 03/0321 1992



CHAKLIN, A.V.; SEREBHOV, A.I., professor, redaktor; SOKOLOV,I.S., redaktor; KONSTANTINOV, G.P., tekhredaktor.

[Cancer; its therapy and prevention] Rak ego lechanie i preduprezhdenie. Pod red. A.I. Serebrova. Moskve, 1953. 18 p. (MLRA 7:12)

1. Chlen-korrespondent AMN SSSR (for Serebrov)

(Cancer)

SCKOLOV, I.S.

Problems of publicizing sanitation in hygiene work. Gig.i san. no.3:44-47 Mr '54. (MLRA 7:2)

1. Iz Instituta sanitarnogo prosveshcheniya Ministerstva zdravookhraneniya SSSR. (Sanitation) (Hygiene)

ROMASENKO, V.A., kand. med. nauk; SOKOLOV, I.S., red.; KONSTANTINOV, G.P., tekhn. red.

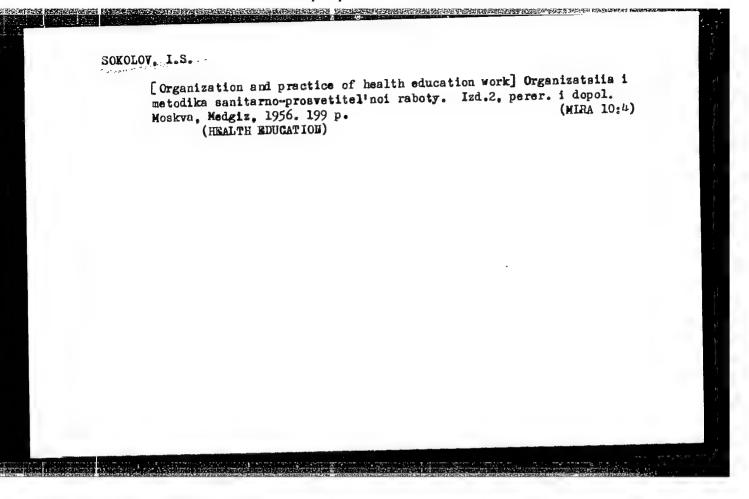
[Alcoholism and nervous diseases] Alkogolizm i nervnye bolezni.

Moskva, In-t sanitarnogo prosv. M-va zdravookhraneniia SSSR.

(MIRA 11:7)

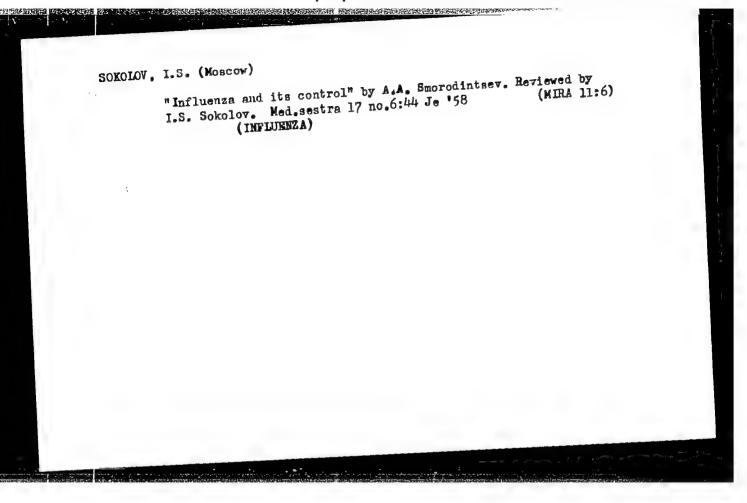
1956. 22 p.

(ALCOHOLISM) (NERVOUS SYSTEM-DISEASES)



LAPIN, Konstantin Vladimirovich, kand.med.nauk; SOKOLOV, I.S., red.; SHTEYHBERG, L.K., tekhred.

[Health education in the mass campaign for cleanliness and providing for public services] Sanitarnoe prosveshchenie v massovom dvizhenii sa chistotu i blagoustroistvo; Pod red. I.S.Sokolova. Moskva, 1958. 150 p. (MIRA 12:7) (Health education)



SOKOLOV, I.S., kand, ned, nauk (Hoscow)

Health education regarding the prevention of dysentery.

Health education regarding the prevention of dysentery.

(MIRA 11:7)

Med, sestra 17 no., 7:25-27 J1 '58

(DYS.ENTERY)

(HRALTH EDUCATION)

SOKOLOV. I.S. (Moscow)

"Frotecting the health of workers on livestock farms" by P.P.

Radkin. Reviewed by I.S. Sokolov. Fel'd. 1 skush. 27 no.8:61 Ag '58

(AGRICUMTURE—HYOLENIC ASPECTS)

(RADKIN, P.P.)

(RADKIN, P.P.)

ROMASENKO, Vladimir Aleksandrovich, kand.mod.nauk; SOKOLOV, I.S., red.; KAINSON, I.Ya., tekhred.

[Alcoholism and neuropsychic disorders] Alkogolizm i nervno-psikhicheskie rasstroistva. Izd.2. Moskva, In-t sanitarnogo prosv. M-va zdravookhraneniia SSSR, 1959. 26 p. (MIRA 13:8) (ALCOHOLISM)

ORLOVSKIY, L.V., kand. med. nauk; SOKOLOV, I.S., red.; KAINSON, I.Ya., tekhn. red.

[[Materials for propaganda against alcoholism], Sbornik materialov po protivoalkogol'noi propaganda. Sost. L.V.Orlovskii. Moskya, 1960. 149 p. (MIRA 14:9)

l. Moscow. TSentral'nyy institut sanitarnogo prosveshcheniya.
(Alcoholism)

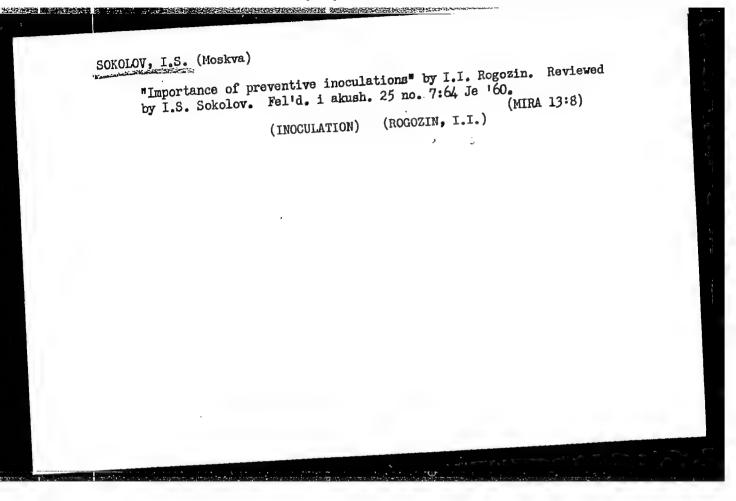
SOKOLOV, I.S., kand.med.nauk, red.; KAIHSON, I.Ya., tekhred.

M NEW YORK OF THE PERSON OF TH

[Studies on the history of Soviet health education] Ocherki po istorii sovetskogo sanitarnogo prosveshcheniia. Pod red. I.S.Sokolova. Moskva, 1960. 399 p. (MIRA 13:12)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut sanitarnogo prosveshcheniya.

(HEALTH EDUCATION)



ZABOLOTSKAYA, L.P., kand. med. nauk; BAZILEVSKAYA, N.A., kand. med. nauk; SOKOLOV, I.S., red.; KAINSON, I.Ya., tekhn. red.

[Index to literature on the subject: "Independent activity by the public in the protection of health and the work of volunteers health groups" from 1957 to July 1, 1960] Ukazatel' literatury na temu: "Obshchestvennaia samcdeiatel'nost' naseleniia po okhrane zdorov'ia i obshchestvennyi aktiv zdravookhraneniia" s 1957 g. po l iiulia 1960 g. Sostavili L.P.Zabolotskaia i N.A.Bazilevskaia. Moskva, 1961. 27 p. (MIRA 14:11)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut sanitarnogo prosveshcheniya.

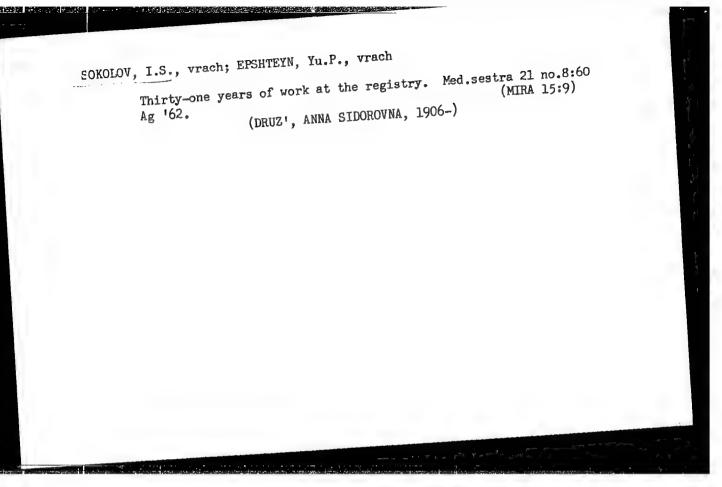
(BIBLIOGRAPHY—PUBLIC HEALTH)

SOKOLOV, I.S., kand.med.nauk (Moskva)

Antialcoholism publicity in the U.S.S.R. and in capitalist countries. Sow.zdrav. 20 no.2:25-30 '61. (MIRA 14:5) (ALCOHOLISM) (HEALTH EDUCATION)

SOKOLOV, I.S. (Krivoy Rog)

Work experience of the Society of Physicians of the 20th Party
Congress Mine. Vrach.delo no.9:145-146 S '62. (MIRA 15:8)
(KRIVOY ROG BASIN-MEDICAL SOCIETIES)



GOKHLERHER, Galina Borisovna; SOKOLOV, I.S., kand. med. nauk, red.

[Janitary culture to the masses! Educational visual aid on the methodology of sanitary culture] Sanitarnuiu kul:...

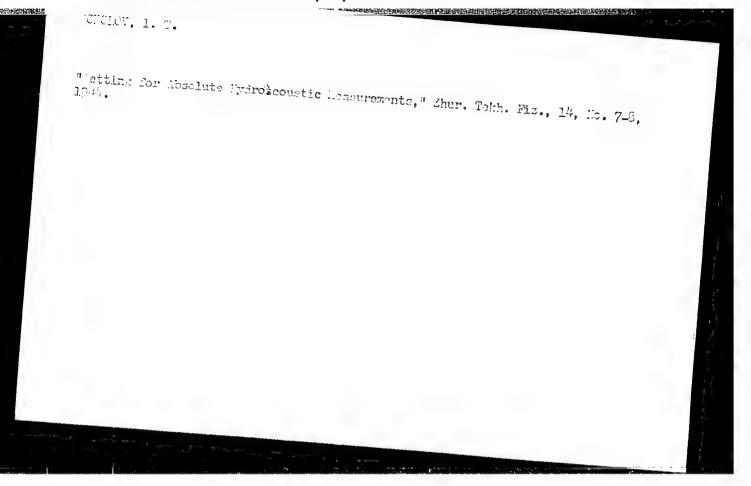
- v massy! Uchebno-nagliadnoe posobie po metodike sanitarnogo prosveshcheniia. Moskva, In-t sanitarnogo prosveshcheniia M-va zdravookhraneniia SSSR, 1963. 30 p.

(MIRA 17:8)

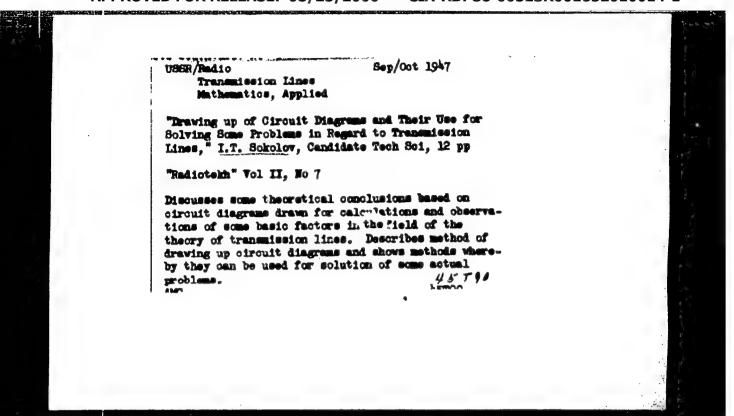
SOKOLOV, I.S.

Method of fixing the peripheral end of the rubber tube introduced into the stomach. Med. sestra 22 no.10:53 0:63 (MIRA 16:12)

1. Iz gorodskoy bol nitsy No.14, Krivoy Rog.



"Application of King's Mathematical Theory to Madiematric Measurements of Sound Processes in Liquide", Zhur. Tekh. Fiz., 15, Nos. 4-5, 1945.



SOKOLOV, I. T.

Treatment of pulmonary tuberculosis in sanatoris in hot weather. Sovet med. No. 6, June 50. p. 28-9

1. Of the Sanatorium imeni Semnehko (Head Physician R. P. Patskevich), Simeiz Resort, Crimean Peninsula.

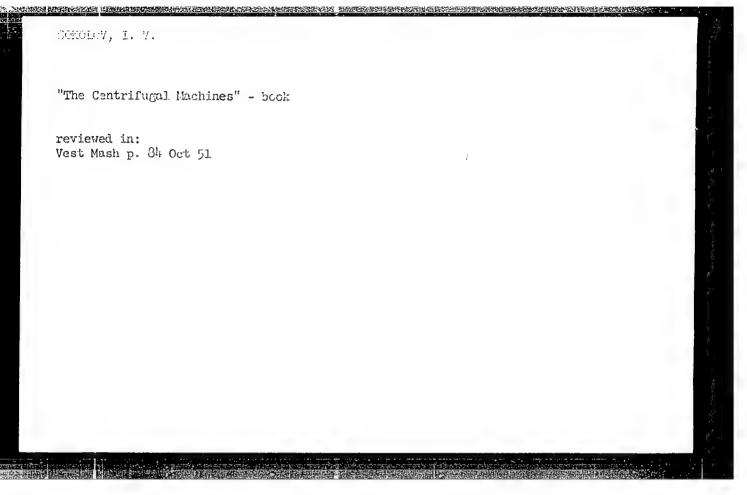
CLEL 19, 5, Nov., 1950

SOKOLOV, I.T.

Remarks on Prof. A.S.Furman's article "Indications for sending pulmonary tuberculosis to the southern Grimean shore for treatment." Probl. tub. no.3:84 My-Je '54. (MIRA 7:11)

1. Glavnyy vrach Simeizskogo tuberkuleznogo sanatoriya im. Semashko (CRIMEA--TUBERCULOSIS) (TUBERCULOSIS--CRIMEA)

SOKOLOV, I.T.; SOKOLOV, S.B.; GRESHCHENKO, K.G. Photography of intrapleural adhesions in artificial pneumothorax. [with summary in French]. Probl.tub. 34 no.6:63-65 N-D '56. (MIRA 10:2) 1. Iz khirurgicheskogo otdeleniya (zav. I.T.Sokolov) Tuberkuleznogo sanatoriya imeni Semashko (glavnyy vrach Ye.P.Slavetitskeya) Upravleniya kurortov Ministerstva zdravockhraneniya SSSR na Yuzhnom beregu Kryma. (PHEUMOTHORAX, ARTIFICIAL, perop. photography of intrapleural adhesions (Rus)) (ADHESIONS. photography of intrapleural adhesions in artif. pneumothorax (Rus); (PHOTOGRAPHY. of intrapleural adhesions in artif. pneumothorax (Rus))



- 1. COMOTOV, I.V.
- 2. "SSR (600)
- 4. Bee Culture Queen Re aring
- 7. Artificial insemination of bee queens. Pchelovodstvo 29. no. 11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

SCHOLOV, I. V.

MOVING PICTURES

Contribution of Russian science and engineering in inventing moving pictures. Izv. AN SSSR W Otd. tekh. nauk No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1052 1958, Uncl.

SOKOLOV. I. V.

USSR/Physics - Photography, Infrared

Sep 53

"Photographic Methods of Scientific Investigation,"
I. V. Sokolov

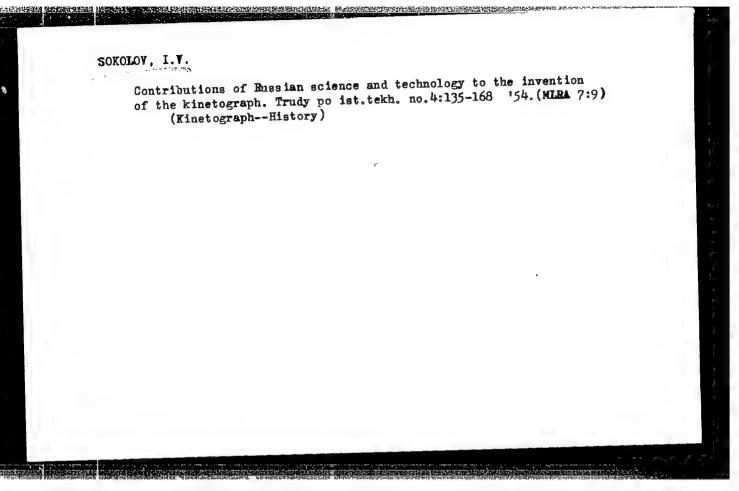
Priroda, No 9, pp 13-22

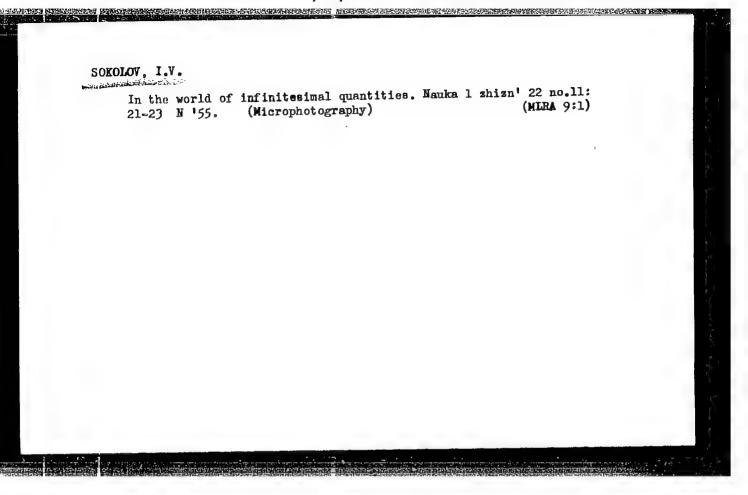
Notes that photography can now record waves as short as 1 micron ('Fotoreproduktsiya Nevidimogo' (Photoreproduction of the Invisible), by A. I. and G. A. Didebulidze, Tbilisi, 1946). States that O. B. Lepeshinskaya has developed a microphotographic

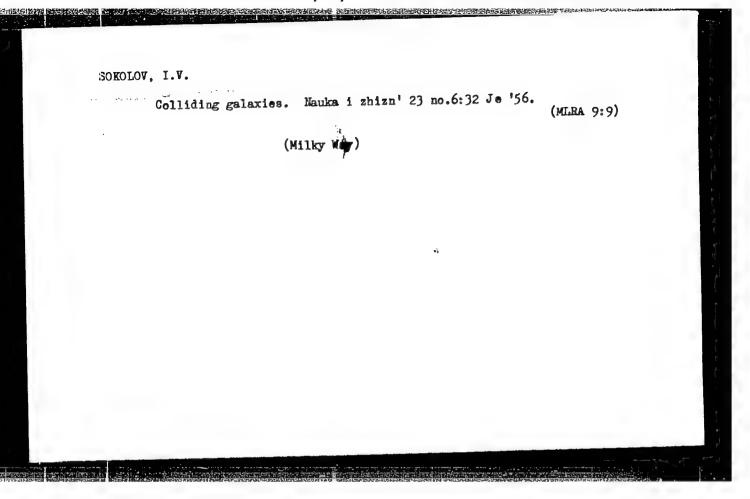
method for demonstrating the sequence of development of cells from living matter. Cites 'Fotografiya Nevidimykh Luchakh Spektra' (Photography in the Invisible Rays of the Spectra), Acad Sci USSR Press, 1935) as the source for information on infrared photography. Remarks that photography combined with electron-optical image-converters has been employed in 1948 by A. A. Kalinyak, V. I. Krasovskiy and V. B. Nikonov to study the Galaxy (DAN 66, No 1, '49). States that Ye. M. Brumberg has developed a new method of ultraviolet microphotography (Usp Fiz Nauk 61, No 3, 1950). Describes other techniques such as: astrospectrography (G. A. Shayn); x-ray defectoscopy;

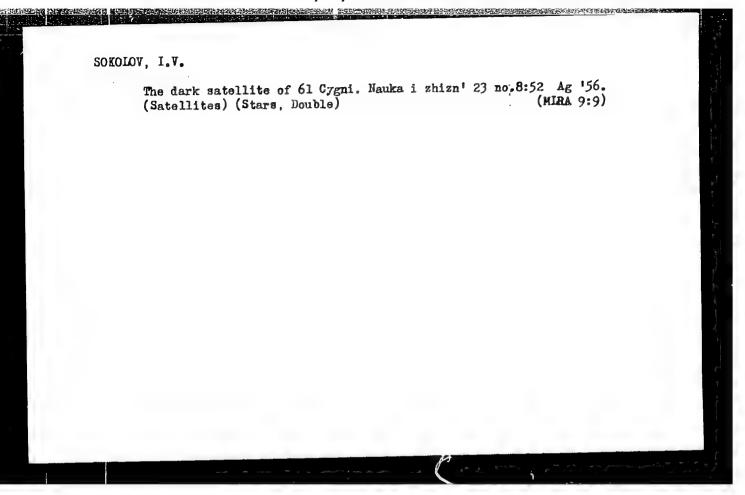
x-ray spectral analysis; x-ray structural analysis; tomography (a special method for obtaining roent-genograms in which the x-ray tube executes oscillatory movements to give very sharp details); fluorography; tomofluorography; electronography (a method using bunches of high-speed electrons, whose theory was developed in 1929 by Acad V. P. Linnik and in 1931 by Acad A. A. Lebedev adding magnetic lenses); radiophotography (tracer method used by biologists A. A. Drobkov, V. V. Rachinskiy, Usp Sovrem Biol. 31, No 1, 1951); stereophotogrammetry (F. V. Drobyshev, 1934); high-speed photography (K. V. Chibisov).

276196









SOKOLOV, I. V. Cand Tech Sci -- (diss) "History of the IREKE Invention of the Cinematograph." Mos, 1957. 13 pp 22 cm.

(Academy of Sciences USSR, Inst of the History of Natural Sciences and IRE Engineering), 110 copies (KL, 27-57, 107)

- 42 -

SUBJECT:

USSR/Photography

25-5-24/35

AUTHOR:

Sokolov, I.V.

TITLE:

Photography of Lightnings (Fotografirovaniye molnii)

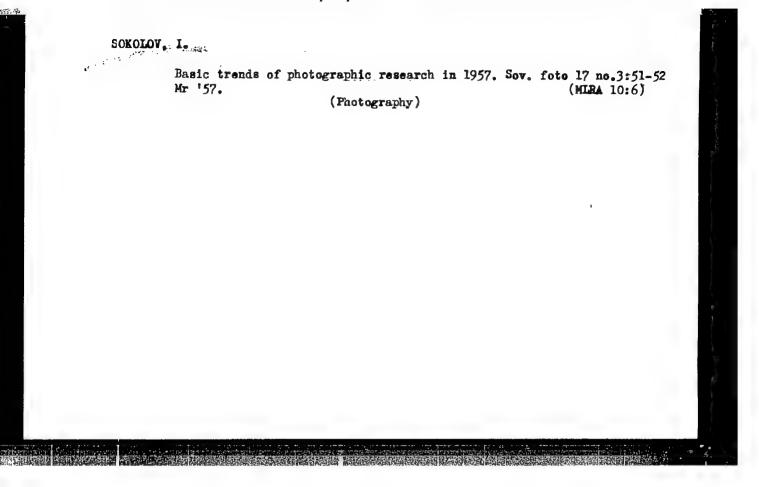
PERIODICAL:

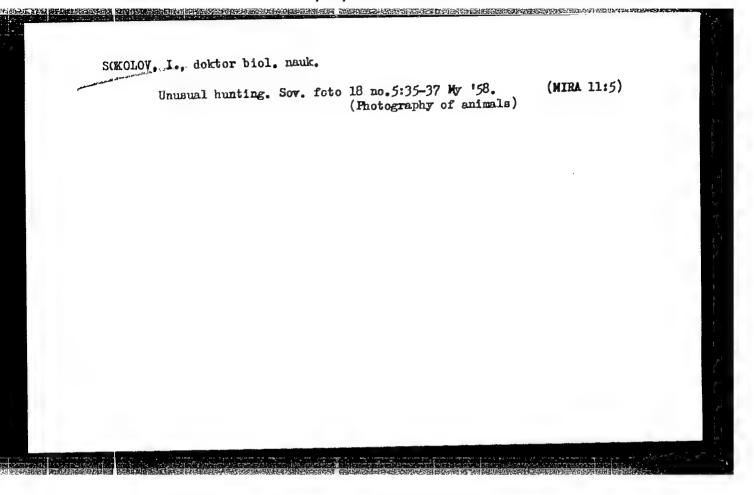
Nauka i Zhizn' - May 1957, No 5, p 52 (USSR)

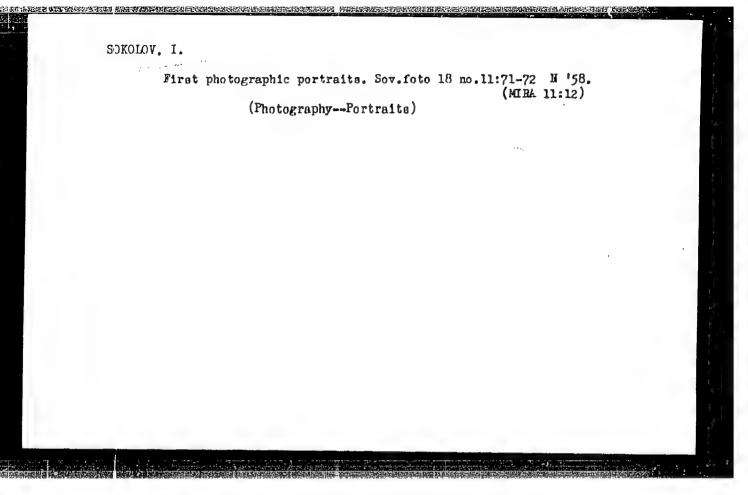
ABSTRACT:

Scientific photography is extensively used for investigating physical phenomena and technical processes. Recently this method was applied for examining the various phases of an artificial lightning in the power engineering institute of the USSR Academy of Science. Special cameras with quartz objectives for photographing in ultra-violet rays and highspeed cameras with electro-optical shutters were employed, enabling to record on plates processes lasting no longer than one hundred millionth part of a second. By comparing various photos taken by these cameras it was possible to follow the development of an artificial lightning from its early stage to the full discharge.

Card 1/2







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23(4,5) 30(7) SOV/26-59-3-10/47

AUTHOR:

Sokolov, I.V., Candidate of Technical Sciences

(Moscow)

TITLE:

Moving Picture Methods in Scientific Research

PERIODICAL:

Priroda, 1959, Nr 3, pp 55 - 60 (USSR)

ABSTRACT:

In 1947, representatives of 19 countries founded the International Association of Scientific Cinematography whose 12th regular congress took place in Moscow in September 1958. Simultaneously, an International Festival of Popular-Scientific Films was held. The Congress discussed problems of applying cinematography in astronomy and cosmonautics; shooting films of micro-biological processes; filming with the use of a microscope, combining X-ray cinematography with television, and a number of other problems. The author gives a historical review of the application of cinematography in astro-

Card 1/9

Moving Picture Methods in Scientific Research

ments of Motion Pictures Research in Space Medicine". This film contains scientific documents on a series of experiments of laboratory studies in regard to the influence of accelerating motion and lack of oxygen in man's organism. Individual frames showed experimental dogs with and without space suits, which had been lifted in rockets to 110 and 210 km, also at moments when the motion of the rockets was accelerated and in a state of weightlessness. The motion pictures were taken with the help of a reflecting mirror. Several outstanding scientific-research films were demonstrated for which phase-contrast micromotion pictures were taken. These slow-motion films, taken in the Institut bakteriologii i epidemiologii Akademii meditsinskikh nauk SSSR (Institute of Bacteriology and Epidemiology of the USSR Academy of Medical Sciences), by film producer S. Komm under the supervision of V.D. Timakov, Active Member of the

Card 4/9

Moving Picture Methods in Scientific Research

A special meeting of the Permanent Committee was devoted to a comparative analysis of the phasecontrast negative, anoptral-contrast and interference phase-contrast methods of microscopy and micro-cinematography. Doctor Hans Jürgen Rind from the Children's Hospital of the Humboldt University in Berlin (GDR) submitted information on "The Comparison of the Usual Phase-Contrast Method with Interference Microscopy when Investigating the Phagocytosis of White Blood Cells" and demonstrated a film on this theme. Colored micro motion picture films show more clearly the biological process than the usual black-white shootings. In the film "Studying the Effect of Radiation on Individual Cells of Blood Producing Organs by the Method of Tissue Culture", taken by Candidate of Biological Sciences A.F. Ivanitskaya, Senior Staff Member of the Institut morfologii zhivot-nykh Akademii nauk SSSR (Institute for the Morphology of Animals USSR AS), the micro motion picture films

Card 6/9

Moving Picture Methods in Scientific Research

disclosed some internal processes in the cells of the blood-producing organs of amphibia total irradiation with a mortal dose or 2,000 r. The author furnishes some information on trials to obtain luminescent micro motion pictures of living biological objects. Film operator I.N. Birukov took a luminescent picture of a saccharomycetes. Later, he and the post-graduate students G.G. Polikarpov and V.I. Korogodin developed, under the guidance of Professor B.N. Tarusov, a quantitative bio-physical method of determining symptoms of a radial affect according to the dynamics of the luminescence brightness. The work was carried out on yeast cells and hydras. In 1956, I.N. Birukov, in cooperation with the post-graduate student S.V. Konev, developed a method of utilizing the fluorescent pigment of phycoerathrin, separated from algae by the Soviet scientist A.A. Krasnovskiy (Institut biokhimii Aka-

Card 7/9

Moving Picture Methods in Scientific Research

demii nauk SSSR - Institute of Biochemistry USSR AS). Recently, I.N. Birukov succeeded in taking micro motion pictures of the primary luminescence of hydra. Professor M.N. Meysel', in charge of the Section of Morphology of the Institut mikrobiologii Akademii nauk SSSR (Institute of Microbiology of the USSR AS), showed in a film and in his report "Luminescent Microscopy and Micro Motion Pictures" that micro photographs and micro motion pictures of individual cells, treated with luminescent dyestuff, open great possibilities for a quick perception of tumorous and normal cells and for distinguishing living and dead cells of microorganisms. In the film "The Formation of Crystals", taken by the operator V.F. Parvov under the guidance of Academician A.V. Shubnikov, colored micro motion pictures in polarized light (with a frequency of 2 to 64 frames per second) show the processes of formation of various crystals. Some frames showed how the acicular crystal of

Card 8/9

SOKOLOV, I., (Chernovtsy)

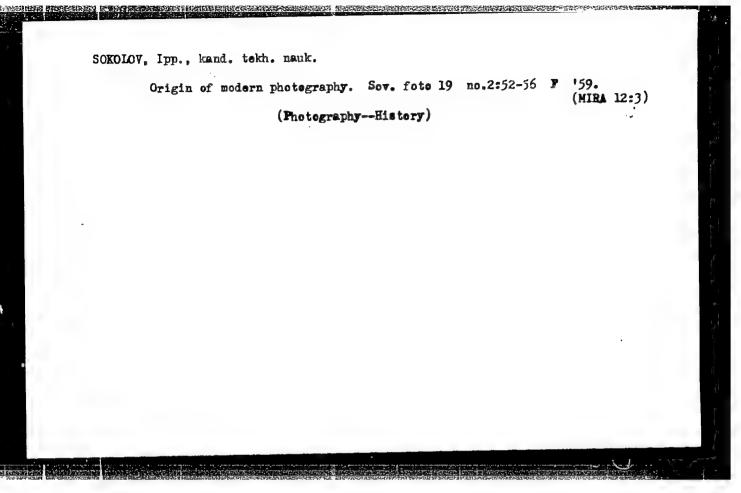
News photographs in enterprises. Sov.foto. 19 no.1:24-27 Ja '59.

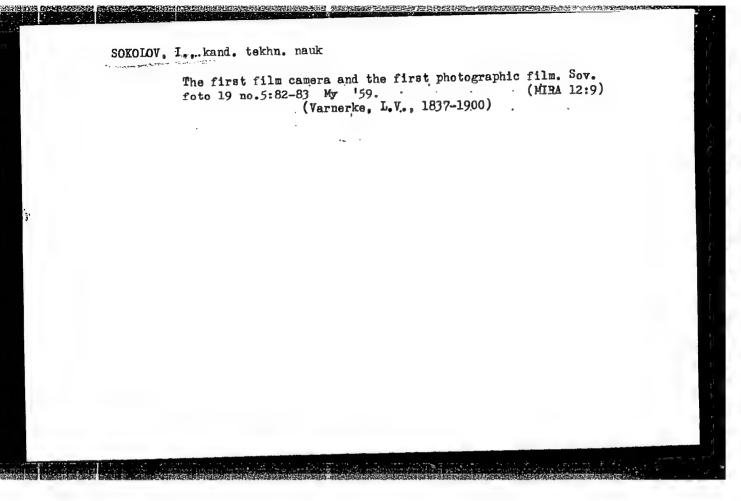
(MIRA 12:3)

1. Sekretar' Chernovitskogo oblastnogo soveta profacyuzov.

(Photography, Journalistic)

Invention of the first photographic process. Sov.foto. 19 no.1:65-69
Ja 159. (Photography-History)





SOKOLOV, Ippolit Vasil'yevich; KONOPLNV, B.N., red.; FOMIN, A.A., red.; CHICHERIN, A.N., tekhn.red.

[History of the invention of motion pictures] Istoriia izobreteniia kinematografa. Pod obshchei red. B.N.Konopleva. Moskva, Gos.izd-vo "Iskusstvo," 1960. 193 p. (MIRA 14:4)

(Motion pictures)

1611 SOKOLOV, I.V. Use of tiphen-promedol in stenoacrdia and some other diseases. (MLRA 8:10) Sov.ned.19 no.8:26-28 Ag 155 1. Iz gospital'noy terapevticheskoy kliniki (dir.-prof. P.E. Lukomskiy) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni I.V. Stalina. (ANGINA PECTORIS, therapy diphenylthicacetic acid 2-diethylaminoethyl ester with 4-phenyl-4-propoxy-1,2,5,-trimethylpiperidine HC1) (MUSCLE RELAXANTS, diphenylthicacetic acid 2-diethylaminoethyl ester with 4-phenyl-4-propoxy-1,2,5,-trimethylpiperidine HCl in angina pectoris) (ANALGESICS, therapeutic use 4-phenyl-4-propoxy-1,2,5,-trimethylpiperidine HCl with dimenthylthioacetic acid 2-diethymaminoethyl ester in angina pectoris)

Use of a new analgesic, anadol, in internal diseases. Sov.med.
20 no.8:62-65 Ag '56. (MERA 9:10)

1. Iz gospital'noy terapevticheskoy kliniki (dir. - prof. P.Ye.
Inkomskiy) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(AMALGESICS,
1,3-dimethyl-4-phenyl-4-propionyl-oxy-piperidine,
eff. & pharmacol.)

SOKOLOV, I.V.

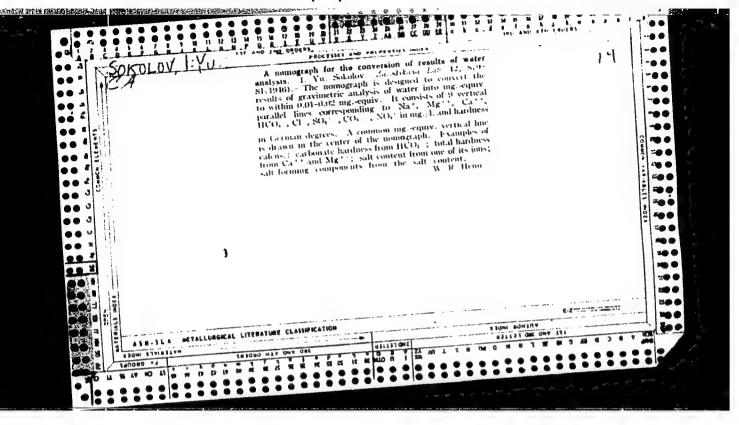
Disturbances of the intraventricular conductivity in patients with atherosclerotic cardiosclerorosis. Terap. arkh. 30 no.11:32-43 N '58. (MIRA 12:7)

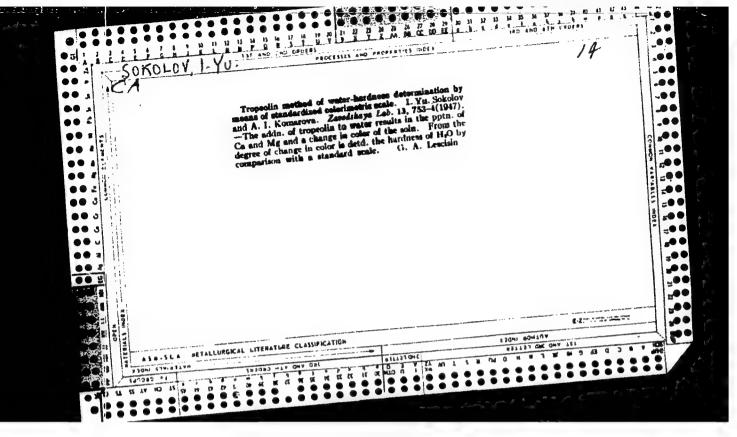
1. Iz gospital'noy terapevticheskoy kliniki (dir. - prof. P. Ye. Lukomskiy) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova. (HEART--DISEASYS) (ELECTROCARDIOGRAPHY)

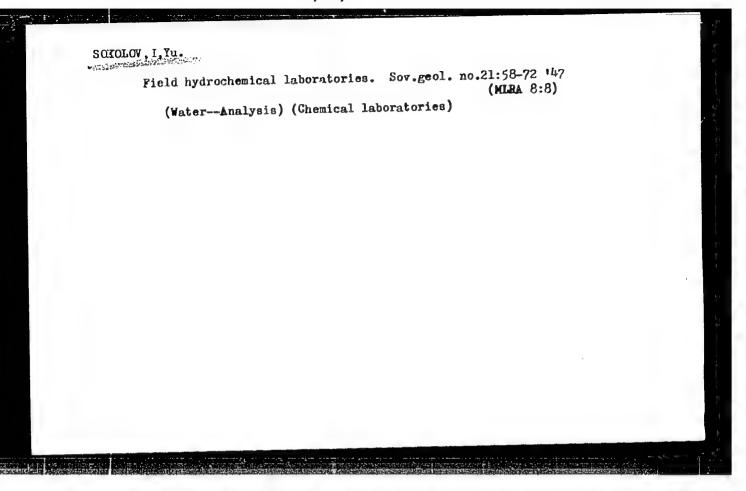
SOKOLOV, I. V.

Cand Med Sci - (diss) "Changes in electrocardiogram in patients with aterosclerotic cardiosclerosis." Moscow, 1961. 15 pp; (First Moscow Order of Lenin Med Inst imeni I. M. Sechenov); 250 copies; price not given; (KL, 6-61 sup, 240)

IJF(c) WW/RM EWP(m)/EWP(j)/T L 44191-66 SOURCE CODE: UR/0413/66/000/008/0079/0079 ACC NR: AP6013281 (A) B INVENTOR: Kotlyarevskiy, I. L.; Zanina, A. S.; Gusenkova, N. M.; Sokolov, I. Ye.; Cherepov, Ye. I. ORG: none TITLE: Preparation of oligomers. Class 39, No. 180797 [announced by the Institute for Chemical Kinetics and Combustion, Siberian Branch, Academy of Sciences, SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 79 TOPIC TAGS: oligomer, polyarylene, polyacetylene, polycondensation, het ministert moterial, dielectric etrength ABSTRACT: This Author Certificate introduces a method for preparing an oligomer of the polyarylene polyacetylene series by oxidative polycondensation of diacetylene. To obtain soluble polymer compounds with high heat resistance and dielectric 15 strength, 2, 2-bis-(4' -methoxy-3' -ethynylphenyl)-propane is suggested as the [LD] diacetylene. SUBM DATE: 29Mar65/ SUB CODE:0711/ Card 1/1 amin







SOKOLOV, I.Yu; KUZNETSOVA, Z.I.

Method of determining unstable component directly at the water source in the case of regional hydrogeological research. Gidro-khim.mat.24:15-18 155. (MLRA 9:4)

l. Vseseyuznyy nauchne-issledovatel skiy institut gidrogeologii i inzhenernoy geologii, Moskva.
(Water, Underground) (Water-Analysis)

SOKOLOV, I.Yu.

Critical survey of existing All-Union State Standards of chemical water analysis. Gidrokhim.mat.24:59-61 '51. (MLRA 9:4)

l.Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii, Moskva. (Water, Underground) (Water--Analysis)

INIPOVICH, Yu. N., redaktor; SOKOLOV, I. Yu., redaktor; SOCHEVANOV, V.G., redaktor; TITOV, V.I., redaktor; SHMANENKOV, I. V., redaktor KOLOSKOVA, M.I., redaktor; PRN'KOVA, S.A., tekhnicheskiy redaktor

[Chemical and physico-chemical methods of analyzing mineral ores] Khimicheskie i fiziko-khimicheskie metody analiza mineral'nogo syr'ia. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 191 p. (MIRA 9:4)

1. Vsesoyuznoye soveshchaniye rabotnikov khimiko-analiticheskikh laboratoriy. (Ores--Sampling and estimation)

SOKELON, I. JU.

SHMANENKOV, I.V.; SOKOLOV, I.Yu.

Tasks in the development of laboratories of geological organizations. Razved. i okh. nedr 23 no.9:61-63 S '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel skiy institut metrologii i standartizatsii (for Shmanenkov). 2. Ministerstvo geologii i okhrany nedr SSSR (for Sokolov).

(Laboratories) (Geology)

SOKOLOV, Igor! Kur yevich; BEREZOVSKAYA, L.I., red.; GUROVA, O.A., tekhn.

[Tables and nomographs for calculating results of hydrochemical analysis] Tablitsy i nomogrammy dlia rascheta resultatov gidro-khimicheskikh analizov. Moskva, Gos. muchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1958. 85 p. (MIRA 11:7) (Water—Analysis)

SCKOLOV, I. Ym.

PHASE I BOOK EXPLOITATION SOV/5592

Vsesoyuznoje soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khocyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1950 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Tran-Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960; in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskly komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel'; Card 1/11

, G V

Radioactive Isotopes and Nuclear (Cont.)

sov/5592

Tech. Ed.: A. S. Polosina.

PURPOSE: The book is intended for engineers and technicians dealing with the problems involved in the application of radicactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Vol. 4 of the Transictions of the All-Union Conference of the Introduction of Radioactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the Social tvennyy of the USSR. The Conference was called by the Social tvennyy nauchno-tekhnicheskiy komitet Sovet Ministrov SSSR (State Scientific-Technical Committee of the Council of Ministers of the USSR), Academy of Sciences USSR, Gosplan SSSR (State Flanning Committee of the Council of Ministers of the USSR), Gosplan SSR (State Flanning Committee of the Council of Ministers of the Stroyeniyu (State Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Council of Ministers of the Latvian SSR. The reports summarized in this publication deal with the advantages, prospects, and

Card 2/11

Radionative Isotopes and Nuclear (Cont.)

Gov/5592

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiomateric investigations. Application of redicative methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentiond. There are no references.

TABLE OF CONTENTS:

Alcksayer, F. A. Present State and Future Prospects of Applying the Nothods of Nuclear Geophysics in Prospecting, Surveying, and Minorals

Bulashevich, Yu. P., G. M. Voskoboynikov, and L. 7. Muzyukin. Neutron and Gamma-Ray Logging at Ore and Coal Deposits

Gordeyev, Yu. I., A. A. Mukher, and D. M. Srebradol'skiy. The Card 3/11

	·	12	
Malionetive Isotopes and Muclear (Cont.) SOV/5592		•
and isotopes for the Exploration of	f Oil-Bearing Regions in the Stavropol'skiy Kray		
Shapiro, D. A. Application of Rad	ioactive Radiation and 13000 n Tatariya		
Blankov, Ye. B., and T. M. Blankov duced Activity for Controlling the	W A AND MOTHER UL AND	228	
Tatoriya Dvorkin, I. L., B. M. Orlinskiy, a of the Anomalous Neutron Parameter trol the Flooding of Oil Fields		237	
Babinets, A. Ye., and S. T. Zvol's Method of Scattered Neutrons and Company and Company and Density		246	:
Sokolov, I. Yu., V. A. Polyakov, a cation of Radioactive Indicators	nd V. V. Lushnikov. Appli- in Studying the Concentratio	n .	:
Card 9/11			i
		and the state of t	

		16	
	Radioactive Isotopes and Nuclear (Cont.) 30V/5592		
	of Microcomponents of Matural Waters	255	:
:	Rilyanova, Ye. M., K. A. Kuznetsova, I. D. Nyaskovskaya, P. P. Punyrev, aci D. A. Sokolov. Preventive Centrol of the Drilling Tool Escape From a Coal Seam While Drilling Inclined Boreholes in Lean Seams	260	
	Abdullayev, A. A., Ye. M. Lobanov, A. P. Novikov, and A. A. Knaydarov. Rapid Determination of the Percentage of Lead in Ores and Concentrates	267	
	Plakein, I. N., V. N. Smirnov, and L. P. Starchik. Application of Alpha Radiation for the Automatic Regulation of the Material Composition of Enrichment Products of Certain Ores	270	
	Lenin, D. S. Scintillation Emanometers	276	- 11
		•	
	Card 10/11 .		
			6.13

SHMANENKOV, I.V., red.; ZVEREV, L.V., red.; KOVALENKO, O.V., red.;

SOKOLOV, I.Yu., red.; EYGELES, M.A., red.; Prinyali uchastiye:

BASMANOV, V.A., red.; KAMINSKAYA, L.S., red.; KOTS, G.A., red.;

LEVIUSH, I.T., red.; MOKROUSOV, V.A., red.; PODKOSOV, L.G.,

red.; ROZHKOVA, Ye.V.; SOLOV'YEV, D.V., red.; FEDOROV, P.N., red.;

FINKEL'SHTEYN, I.D.; KHONINA, O.I., red.; GRISHINA, T.B., red.

izd-va; GUROVA, O.A., tekhm. red.

[Studies on the dressing and industrial processing of minerals]
Issledovaniia po obogashcheniiu i tekhnologii poleznykh iskopaemykh.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr,
1961. 131 p.

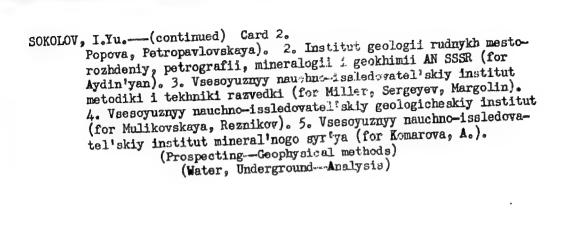
(MIRA 14:7)

1. Russia(1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (for Eygeles, Leviush) (Ores)

SOKOLOV, I.Yu.; AYDIN'YAN, N.Kh.; BELEKHOVA, V.N.; BRODSKIY, A.A., starshiy nauchnyy sotrudnik; GLEBOVICH, T.A.; DAIMATOVA, T.V.; KOMAROVA, A.I.; KOMAROVA, Z.V.; KOPYLOVA, M.M.; KUDRYAVTSEVA, M.M.; LIBINA, R.I.; LOGINOVA, L.G.; MARGOLIN, L.S.; MARKOVA, A.I.; MEDVEDEV, Yu.L.; MILLER, A.D.; MULIKOVSKAYA, Ye.P.; NECHAYEVA, A.A.; OZEROVA, N.V.; PALKINA, I.M.; PETROPAVLOVSKAYA, L.A.; POPOVA, T.P.; REZNIKOV, A.A.; SERGEYEV, Ye.A.; SETKINA, O.N.; STEPANOV, P.A.; SUVOROVA, Ye.G. [deceased]; SHERGINA, Yu.P.; PANOVA, A.I., red.izd-va; IVANOVA, A.G., tekhn.red.

[Methodological handbook on the determination of microcomponents in natural waters during prospecting for ore deposits] Metodicheskoe rukovodstvo po opredeleniiu mikrokomponentov v prirodnykh vodakh pri poiskakh rudnykh mestorozhdenii. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. 1961. 287 p.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii (for Sokolov, Brodskiy, Glebovich, Ozerova, Kudryavtseva, Loginova, Markova, Medvedev, Belekhova, Palkina, (Continued on next card)



Studying the completeness of the concentration of micrecomponents in natural waters by means of radioactive isotopes. Vop. in natural waters by means of radioactive isotopes. Vop. in natural waters by means of radioactive isotopes. (MIRA 15:2) gidrogeol. i inzh.geol. no.19:183-188:61. (MIRA 15:2) (Water underground—Analysis) (Radioisotopes—Industrial applications)

AL'TOVSKIY, M.Ye.; CHAPOVSKIY, Ye.G.; BABUSHKIN, V.D.; BINDEMAN,
N.N.; LAPTEV, F.F.[deceased]; SOKOLOV, I.Yu.; CHALISHCHEV,
A.M.[deceased]; PROKHOROV, S.P.; TORAREV, A.K.; KOROTIYEV,
A.P.; ABRAMOV, S.K.; KOHOPIYANTSEV, A.A., red.; FRIKLOHSKIY, V.A.,
red. deceased]; SPITSYN, N.I., red.; MARIHOV, N.A., red.;
KULICHIKHIN, N.I., red.; GARMONOV, I.V., red.; LYUBCHENKO, Ye.K.,
red. izd-va; POTAPOV, V.S., red. izd-va; GUROVA, O.A., tekhn.
red.
[Hydrogeologist's handbook] Spravochnik gidrogeologa. Pod obshchei red. M.E.Al'tovskogo. Moskva, osteoltekhizdat, 1962.
(MIRA 15:7)

(Water, Underground)

SOKOLOV, I.Yu.

GKhL-1 semiportable field laboratory (developed by the All-Union Scientific Reseach Institute of Hydrogeology and Geological Engineering) for hydrochemical prospecting for ore deposits.

Engineering) for hydrochemical prospecting for ore deposits.

(MIRA 15:4)

Razved.i okh.nedr 28 no.4:44-45 Ap 62.

1. Vsesoyuznyy nauchno-issledovatel skiy institut gidrogeologii i inzhenernoy geologii.

(Geochemical prospecting--Equipment and supplies)

(Water, Underground--Analysis)

REZNIKOV, Aleksandr Abramovich; MULIKOVSKAYA, Ye.P.; SOKOLOV, I.Yu.; KNIPPOVICH, Yu.N., red.; CHUMACHENKO, Z.N., red. 1zd-va; SHMAKOVA, T.M., tekhn. red.

[Methods of analysis of natural waters] Metody analiza prirodnykh vod. Izd.2., dop. i perer. Moskva, Gosgeoltekhizdat, 1963. 403 p. (Water, Underground--Analysis)

MEDVEDEV, Yu.L.; SOKOLOV, I.Yu., nauchn. red.

[Determination of sodium and potassium ions in natural waters by the method of flame photometry; methodological instructions] Opredelenie ionov natriia i kaliia v prirodnykh vodakh metodom fotometrii plameni; metodicheskie ukazaniia. Moskva, 1962. 16 p. (MIRA 17:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.

- 1. SOUTLOY, K.
- 2. USSP (600)
- 4. Cotton Picking
- 7. Feculiarities in organizing the cotton harvest after frosts in areas where cotton is grown without irrigation, Khlopkovodstvo, No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ACC NR: AP6021974 (A) SCURCE CODE: UR/0153/66/009/002/0314/0316
AUTHOR: Kazanskaya, V. F.; Klimova, O. M.; Tikhomirov, E. A.; Sokolov, G. I. 32

ORG: Plastics Technology Department, Leningrad Technological Institute im. Lensovet (Kafedra tekhnologii plasticheskikh mass, Leningradskiy tekhnologicheskiy institut)

TITIE: Copolymerization of vinylene carbonate with acrylonitrile in aqueous solutions

SOURCE: IVUZ. Khimiya 1 khimicheskaya tekhnologiya, v. 9, no. 2, 1966, 314-316

TOPIC TAGS: acrylonitrile, carbonate, copolymerization

ABSTRACT: Vinylene carbonate (VC) was copolymerized with acrylonitrile (AN) in 8% aqueous solutions at 20°C without adding any special initiators. All the copolymers were purified by reprecipitation from a dimethyl sulfoxide - acetone mixture, the degree of conversion was determined gravimetrically, and the copolymer composition was obtained from ultimate analysis. The relative activity constants of VC and AN were calculated from the dependence of the copolymer composition on the composition of the initial VC - AN mixture, and found to be: for VC, $r_1 = 0.086\pm0.051$; for AN, $r_2 = 3.280\pm0.117$. The specific activity Q for VC was 0.043, and the polarity factor $r_2 = 0.41$. The intramolecular distribution of monomer units in the copolymers was calculated. The probability of finding two consecutive VC units is very small, even for an 80:20 ratio of AN to VC in the initial mixture; hence, the copolymer molecule

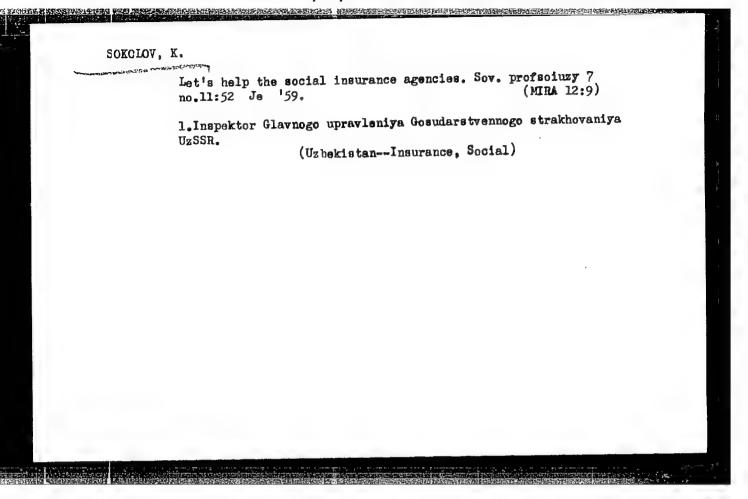
Card 1/2

UDC: 678 744 4-134 532

J. 39,177-4.		
ACC NR: AP6021974		
The VC-AN copolymers are s	arge blocks of AN units which including imilar in properties (solubility, called Orig. art. has: 1 figure and 2	nacity to form films on !
	260ct64/ ORIG REF: 004/ OTH REF	1
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Bay laurel plantation. IUn.nat. no.6:24 Je '60.(MIRA 13:8)

(laurel)



KORNEV, *., polkovnik; SOKOLOV, K., polkovnik

Engineer organization of a company strong point. Voen. vest.
42 no.8:39-43 Ag '62... (MIRA 15:7)

(Military field engineering)

KHUDOYAN, T.S.; SHAROV, A.; CHIRKOV, I. (Stalinsk, Kemerovskaya oblast!);
KHAUSTOV, S. (g.Novoshakhtinsk); ARKHIPOV, V., avtomatchik;
SHEVCHENKO, B.; GETMANSKAYA, Ye.; SUNTSOV, I.; KURDYUKOVA, L.,
doyarka; BABIY, V. (Chernovitskaya oblasti!); MAKAROV, N.;
SOKOLOV, K.; SINITSKIY, N.

Letters to the editor. Sov. profsoiuzy 17 no. 5:35-39 Mr 161.
(MIRA 14:2)

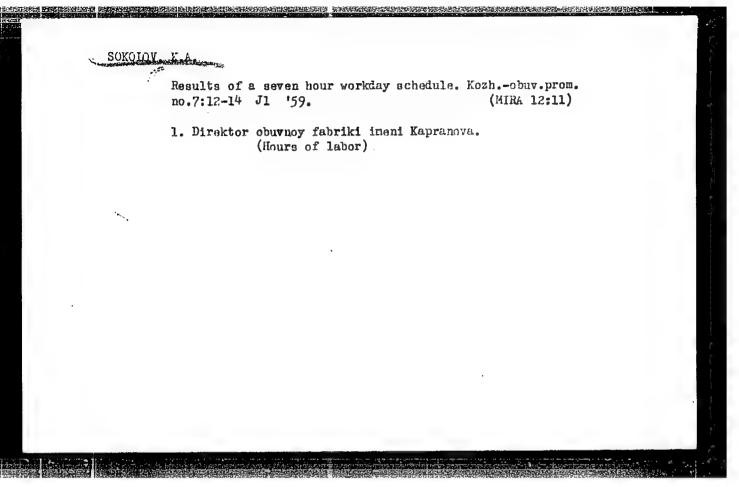
1. Zaveduyushchiy otdelom truda i zarplaty respublikanskogo sovprofa Armenii (for Khudoyan). 2. Staleprokatnyy zavod, Leningrad(for Arkhipov). 3. Predsedatel¹ pravleniya kluba sovkhoza "Krasnyy Oktyabr¹," Voronezhskoy oblasti (for Shevchenko). 4. Chleny pravleniya kluba sovkhoza "Krasnyy Oktyabr¹," Voronezhskoy oblasti (for Getmanskaya, Sumtsov). 5. Sovkhoz "Krasnyy Oktyabr¹," Voronezhskoy oblasti (for Kurdyukova). 6. Predsedatel¹ tsekhkoma kotel¹no-svarochnogo tseka Vol²skogo zavoda "Metallist" (for Makarov). 7. Predsedatel¹ postroykoma Stroitel¹nogo uchastka No. 2, g.Gagra, Gruzinskaya SSR (for Sinitskiy).

(Trade unions) (State farms)

SOKOLOV, Konstantin Antonovich; ALEKSANDROV, P.D., kand.ekon.nauk, spetsredaktor; MORSHCHIKOV, V.D., red.; SHADRIKA, H.D., tekhn.red.

> [How we attained a continuous flow of work] Kak my dostigli ritmichnoi raboty. [Moskva] Izd-vo VTsSPS Profizdat, 1957. 82 p. (MIRA 11:5)

1. Direktor Moskovskoy obuvnoy fabriki imeni Kapranova (for Sokolov)
(Shoe industry)



SOKOLOV, K.A.; ROVKAKH, S.Ye.

Efficient system of repairing excavators. Transp.stroi. 9 no.1:25-28 Ja '59. (NIRA 12:2)

1. Glavnyy inzh. Glavstroymekhanizatsii (for Sokolov). 2. Nachal'nik otdela tekhnologii remonta Proyektno-konstruktorskogo byuro Glavstroymekhanizatsii (for Rovkakh) (Excavating machinery-Maintenance and repair)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.; GUBANOV, N.P., inzh.; SORIN, N.M., inzh.; TARAKANOV, G.P., inzh.; IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROVKAKH, S.Ye., kand.tekhn.nsuk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk; LEBEDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook for machinery operators of construction areas] Spravochnik mekhanika stroitel'nogo uchastka. Moskva, Vses.izdatel'ako-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 619 p.

(MIRA 14:1)

(Building machinery--Maintenance and repair)

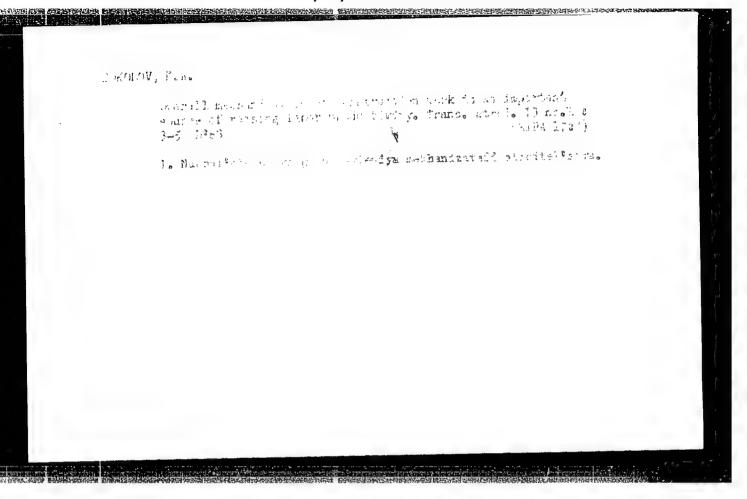
FILIPPOV, Vasiliy Vasil'yevich; ROVKAKH, S.Ye., kand. tekhn. nauk, retsenzent; SOKOLOV, K.A., inzh., retsenzent; VELICHKIN, Ye.A., inzh., red.; KHITROVA, N.A., tekhn. red.

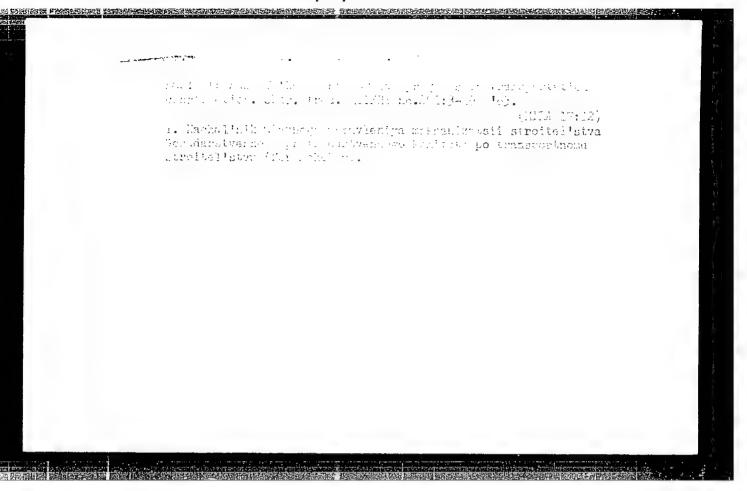
[Operation and repair of a bucket excavator] Ekspluatatsiia i remont odnokovshovykh ekskavatorov. 2., perer. izd. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 383 p. (MIRA 15:3)

(Excavating machinery)

ASIEKO, S.M.; VEKSLER, V.M.; KLAUZ, P.L.; SOKOLOV, K.A.; IGNATOVICH, A.M., prof., retsenzent; SMIRNOV, V.S., kend. tekhn. nauk, retsenzent; KRIVICH, P.S., inzh., retsenzent; ABRAGAM, S.R., inzh., red.; VCROTNIKOVA, L.F., tekhn. red.

[Operation of road, construction, and loading and unloading machines] Ekspluatatsiia putevykh, stroitel'nykh i pogruzochnorazgruzochnykh mashin. [By] S.M.Asheko.i dr. Moskva, Transzheldorizdat, 1963. 302 p. (MIRA 16:10)





SOKOLOV, K.K., dots., kand. tekhn. nauk.

Circuits equivalent to differential systems. Shor, nauch. trud.,

LETIIZHT no.5:159-166 '53. (MIRA 11:3)

(Nailroads--Telephone) (Electric circuits)

SOKOLOV, K.K., dotment, kandidat tekhnicheskikh nauk.

Theory of a compensation type counter-local circuit for central battery telephone apparatus. Sbor.nauch.trud.LETILZHT no.6:140-152 (MLRA 9:1)

(Telephone)

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かいとりつ

Sokolov, K.K., Dubinskiy, M.G., Stechkin, V.S.,

and Tsac Hsiao Ching

(Moscow)

AUTHORS:

Concerning radial equilibrium of flow

Card 1/ 4

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1961, No. 4, pp. 11-15

In designing axial-flow compressors and also turbines with long blades, it is important to calculate correctly the velocity distribution in the axial clearances between blades. There is still no general agreement about the best way of doing this, although as axia. flow machines have been made of high efficiency it might appear that published methods of calculation were acceptable. However, the formulae used in most of the methods are based on t' so-called equation of 'radial equilibrium' which is the projectio: of the equation of motion on the radius assuming that there is a radial acceleration of the air particles. This equation together /ith Bernoulli's equation has been used to find a differential ention between the axial and tangential speeds or between the light of swirl of flow and the absolute speed

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Concerning radial + 1 labrium of ... E194/E155

along the radius. Fortunately, the usual relationship between the axial and tang is all speeds is ill-founded, and the derivation given shally incorrect. The relationship between the axial and tan atial speeds is usually given in the following form: $\frac{2}{2} = \frac{1}{2} \left(\frac{1}{2} x^2 \right)^2$

 $\frac{d}{dr} \frac{c^2}{2} = \frac{1}{2r^2} \frac{d(z_u r)}{dr}$ (3)

Here: c_ur is a tangential component of the velocity; c_r is the radial component of the velocity; c_z is the axial component of the velocity; c_z is the axial tase on to show that the general case the derivation of Eq.(3) is erroneous, pare ularly in the method of excluding the pressure from the relainship. Eq.(3) is correct provided that the flow is axially symmetrical but Stechkin has shown that unless cure const, the continuity of according to a periodic law with a velocity discontinuity discharge from the blades. This discontinuity may occur is case of streamline flow of a non-viscous fluid

Card 2/ 4

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Concerning radial equilibrium of flcw 5/024/61/000/004/003/025 E194/E155

and cannot occur in a real viscous fluid, in which the velocity discontinuity causes a band of turbulence. Experimental work was undertaken to study the discontinuity of flow, studying the direction of flow lines over compressor blading. The group of blades was made similar to a flat group, but the blades were twisted through a certain angle according to an arbitrary law. A plane-parallel flow passed through the group consisting of seven ducts. Details of the blade geometry are given. Flow velocities of 0.2-0.25 Mach number were used with angles of attack from +90 to -90 at the mean section. To determine the instant at which flow broke away from the back of the blades, measurements were made of the total pressure distribution immediately beyond the Flow lines on each side of the blade were determined with silk threads and small metal flags, which were photographed. silk threads were found to register the direction of flow only in the region of laminar flow immediately near the blade surface. The flags were much more stable, but under conditions where the flow breaks away the flags on the back of the blades swing about and may even be reversed under certain conditions. The tests showed that in a blade group of this kind jets of air flowing near Card 3/4